

Amendments to the Claims

Claims 1-19 (Canceled)

20. **(New)** An optical head comprising:
a light source including a semiconductor laser operable to emit a light beam;
a beam shaping device operable to shape the light beam from the light source;
an objective lens operable to gather the light beam from the beam shaping device; and
a driving device operable to drive the objective lens,
wherein the beam shaping device includes at least two electrodes for applying a voltage
and a nonlinear optical material arranged between the at least two electrodes, and
wherein a refractive index of the nonlinear optical material changes in accordance with
the applied voltage.
21. **(New)** The optical head according to claim 20, wherein the semiconductor laser is
operable to emit the light beam having a wavelength of 460 nm or shorter.
22. **(New)** The optical head according to claim 20, wherein the beam shaping device is a
substantially prism-shaped beam shaping device having an incidence surface and an emission
surface that are not parallel to each other and which is operable to change an emerging angle of
the light beam.
23. **(New)** The optical head according to claim 20, wherein the nonlinear optical
material is a phosphate crystal.
24. **(New)** The optical head according to claim 20, wherein the nonlinear optical
material is a lithate crystal.
25. **(New)** The optical head according to claim 20, wherein the nonlinear optical
material is a borate crystal.

26. **(New)** The optical head according to claim 20, wherein the beam shaping device is positioned to shape and deflect the light beam from the light source.

27. **(New)** A master disk recording apparatus comprising:
the optical head set forth in claim 20;
a rotating device operable to rotate while holding a master disk having a photosensitive layer; and
a moving device operable to move one of the optical head and the rotating device in a radial direction of the master disk,
wherein the objective lens of the optical head is operable to irradiate the master disk with the gathered light beam.